

Table 2: Examples of Indicators

<p>Example A1. An indicator that relates to the characteristics of the hydrograph</p> <ul style="list-style-type: none">• Property Assessed: Deviation from natural hydrograph• Indicator: Ratio of pre-dam:post-dam flood, base, and spring flows.• Ultimate numerical range: ???
<p>Example A2. An indicator that relates to the amount of a certain type of habitat within a zone.</p> <ul style="list-style-type: none">• Property Assessed: Extent of wetland habitat in the Delta• Indicator: Number of wetland acres meeting a minimum habitat quality requirement and adequately linked to other habitats• Ultimate numerical range (interim): % of historic acreage
<p>Example B. An indicator that relates to the capacity of the system to support resident fish and wildlife.</p> <ul style="list-style-type: none">• Property Assessed: habitat diversity sufficient to assure sustainable populations of native fish assemblages• Indicator to be developed: Index of Biological Integrity (IBI)• Default Indicator for immediate use: new endangered species listings <p>Numerical Range: 0</p>
<p>Example C1. An indicator that provides an overall assessment of habitat quality at the landscape level.</p> <ul style="list-style-type: none">• Property Assessed: habitat quality• Indicator: a habitat-specific index to be developed that takes into account, for example, the following types of factors --<ul style="list-style-type: none">-connectivity-natural succession-degree to which natural processes are operating (e.g., seasonal flooding, sediment trapping/transport, vertical accretion, nutrient transformation/cycling, energy cycling)
<p>Example C2: An indicator that provides an assessment of sedimentation budget at the landscape level</p> <ul style="list-style-type: none">• Property Assessed: sediment load• Indicator to be developed: ?• Numerical Range: (Need to conduct management experiment or develop model)

Table 1: Generic List of Properties Assessed (with some examples of indicators that measure them).

<p>STRUCTURAL:</p> <ul style="list-style-type: none"> • Habitat Quality (e.g., presence of native vegetation, fragmentation) • Habitat Extent (e.g., total acreage, mean patch size) • Habitat Diversity • Habitat Connectivity (e.g., total connected riverine channel length, connectivity of river and floodplain) • Water Quality (e.g., concentrations of toxics, temperature, salinity) • Integrity of Native Biotic Community (e.g., presence/rate of introduction of exotic species, population abundances/diversity of native species) • Support of sustainable commercial harvest (e.g., fishery catch per unit effort, toxins in fish tissue)
<p>FUNCTIONAL:</p> <ul style="list-style-type: none"> • Natural Water Flow Regime (e.g., total monthly flow, deviation from natural hydrography, Delta outflow) • Natural Sedimentation Regime (e.g., sediment delivery (bedload), bed material character) • Succession • Nutrient Budget and Cycling Processes • Transport of organic materials, organisms • Food Web Support (e.g., Primary Productivity, zooplankton abundance)